

SAFETY DATA SHEET



ADDING VALUE TO CANDLES

according to Regulation (EC) No. 1907/2006 (REACH)

Item number/ Trade name
Version/ Issue date:

5871-27

testnumber:27/M1617-6
9 / 05/23/2017

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Item number/ Trade name 5871-27 Color for candles 5871-27
testnumber:27/M1617-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use Coloration of hydrocarbons, waxes, oils and fats

1.3 Details of the supplier of the safety data sheet

Company/undertaking identification

Name Bekro Chemie GmbH
Street/POB-No.: 1 Industriestrasse 104
City D-66802 Ueberherrn
Phone # +49 6836 9198 0
Telefax # +49 6836 9198 10
E-mail info@bekro.de

1.4 Emergency telephone number

Name Bekro Chemie GmbH (Mo - Thu 8.00 - 16.30, Fr 8.00 - 14.30)
Phone # +49 6836 9198 0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Sens. 1; H317 May cause an allergic skin reaction.

2.2 Label elements



Warning

Nature of Hazard GHS07 Exclamation mark
Hazard statements (CLP) H317 May cause an allergic skin reaction.
Precautionary statements (CLP) P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container to hazardous or special waste collection point.
P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
Hazard-determining component(s) of labelling
(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.1 Substances

Mixture of waxes, colouring agents and additives

3.2 Mixtures

Hazardous ingredients

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(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone: 10 % - 24,99 %
CAS-Number: 1843-05-6
EINECS / ELINCS / NLP: 217-421-2
REACH registration No.: 01-2119557833-30-0008
Classification according to EC regulation 1272/2008 (CLP):
Aquatic Chronic 3; H412 / Skin Sens. 1; H317

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	If you feel unwell, seek medical advice.
In case of inhalation	Move victim to fresh air. Seek medical aid in case of troubles.
In case of skin contact	Thoroughly wash skin with soap and water.
After eye contact	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists.
After swallowing	Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Seek medical treatment in case of troubles.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms ---

4.3 Indication of any immediate medical attention and special treatment needed

Information to physician ---

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide , water fog , extinguishing powder , foam.
Extinguishing media which must not be used for safety reasons	Full water jet

5.2 Special hazards arising from the substance or mixture

Possible combustion products Nitrogen oxides (NOx), carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus.

Additional information Do not allow water used to extinguish fire to enter drains, ground or waterways. Do not allow fire water to penetrate into surface or ground water. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust. With the formation of dust, use a dust mask. Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Do not allow to enter into ground-water, surface water or drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Take up spilled product with dustpan and brush. Avoid causing any dust. Industrial vacuum cleaner recommended to avoid causing dust. Clean soiled areas with a conventional household cleaner.

6.4 Reference to other sections

Personal protection equipment: see section 8, Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Avoid contact with eyes and skin. When using do not eat, drink, smoke, sniff. Make sure there is sufficient air exchange and / or that working rooms are air suctioned. Avoid dust formation.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep away from sources of ignition and heat. Store in a cool dry place. Store in a well-ventilated place. Keep container tightly closed. Protect against direct sunlight.

Storage class

11

7.3 Specific end use(s)

General use

Coloration of hydrocarbons, waxes, oils and fats

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone
DEU - A: respirable fraction

3,000 mg/m³

(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone
DEU - E: inhalable fraction

10,000 mg/m³

8.2 Exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Provide good ventilation and/or an exhaust system in the work area. Wear a dust mask, in case of excessive dust.

Hand protection

Wear suitable gloves.- according to DIN-/EN-Norms EN 420, EN 388 and EN 374 Part 1,3

Eye protection

Goggles according to EN 166.

Body protection

Wear suitable protective clothing and shoes.

General protection and hygiene measures

Keep away from food and drinks. When using do not eat, drink or smoke. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use.

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SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form	solid
Colour	orange
Odour	characteristic

Important health, safety and environmental information

Initial boiling point and boiling range	>	130 °C	
Melting point/freezing point	>	60 °C	60 °C
Flash point/flash point range	>	150 °C	
Ignition temperature	>	200 °C	
Solubility	Product is difficult to dissolve in water.		
Vapour pressure	not determined	---	---
Density	not determined	---	---
Viscosity	---	---	---
Explosion limits	---	---	
Flow time 4mm (DIN)	not determined		
PH value			---
Partition coefficient: n-octanol/water	---		---

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

Non-reactive

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Avoid dust formation. Avoid dust deposits. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

10.5 Incompatible materials

strong acids and bases, strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous vapours may form during fires. In case of fire may be liberated: Nitrogen oxides (NOx), carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

General remarks

No toxicological tests were conducted with the mixture.

Toxicological tests: components

(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone

Skin sensitisation	-	sensitising	OECD 406
<i>guinea pig</i>			
Skin irritation:	-	not determined	
<i>Rabbit</i>			
Eye irritation:	-	not determined	
<i>Rabbit</i>			
Acute oral toxicity	LD50 >	2000.0 mg/kg	
<i>Rat</i>			
Acute dermal toxicity	-	not determined	
Acute inhalation toxicity	-	not determined	

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity ---

Ecotoxicological effects: components

(2-Hydroxy-4-(octyloxy)phenyl)(phenyl)methanone

acute Daphnia toxicity	EC50=	52.0	mg/l	OECD 202
<i>Daphnia magna</i> (Big water flea)				
algae toxicity	EC50>	100.0	mg/l	OECD 201
<i>Scenedesmus subspicatus</i>				
acute fish toxicity	LC50>	100.0	mg/l	OECD 203
<i>Brachydanio rerio</i> (zebra-fish)				
Bacteria toxicity	IC50>	100.0	mg/l	OECD 209

12.2 Persistence and degradability

Evaluation text ---
Degree of elimination ---
Analytical method ---

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Recommendation Dispose of waste according to applicable legislation. Discharge into the environment must be avoided.

Contaminated packaging

Recommendation Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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SECTION 14: Transport information

14.1 UN number

ADR, IATA, IMDG ---

14.2 UN proper shipping name

Product designation: ADR/RID ---

Proper shipping name: IATA ---

Proper shipping name: IMDG ---

14.3 Transport hazard class(es)

Class ADR/RID ---

Code: ADR/RID ---

Class IATA ---

Subrisk IATA ---

Class IMDG ---

Subrisk IMDG ---

14.4 Packing group

ADR, IATA, IMDG No packaging for dangerous goods required

14.5 Environmental hazards

Marine Pollutant - ---

IMDG

EmS ---

Stowage and segregation ---

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information

EQ ---

Limited quantities ---

Special provisions ---

Tunnel restriction ---

Transport category ---

Kemmler-number ---

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Germany

Storage class 11

Water Hazard Class 1

Information on working limitations No special measures are required.

15.2 Chemical Safety Assessment

Chemical Safety Assessment

No substance safety evaluation was conducted with the mixture/ substance.

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SECTION 16: Other information

Hazard statements (CLP)

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Reason of change

General revision

Abbreviations

--- no data, not determined or not applicable

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (Verordnung (EG) Nr. 1907/2006)

OECD Organisation for Economic Co-operation and Development

LD50 Median lethal dose

LC50 Median lethal concentration

EC50 Median effective dose

IC50 Median inhibitory concentration

VCI Verband der chemischen Industrie

CAS Chemical Abstract Service

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

NLP No Longer Polymers

CLP Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging

EG Europäische Gemeinschaft

WGK Wassergefährdungsklasse (nach VwVwS)

AGW Arbeitsplatzgrenzwert

ADR Accord Européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID Règlement concernant le transport international ferroviaire des marchandises dangereuses (International Rule for Transport of Dangerous Substances by Railway)

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

MARPOL International Convention for the Prevention of Pollution From Ships (MARine POLLution)

EmS Emergency Schedules